

# ELECTRONIC INFORMATION DISCLOSURE STATEMENT

Electronic Version v18

Stylesheet Version v18.0

Title of Invention	IN SITU THERMAL PROCESSING OF A COAL FORMATION USING PRESSURE AND/OR TEMPERATURE CONTROL									
Application Number:	09/841430				*09/841430*					
Confirmation Number:	3855									
First Named Applicant:	George Stegemeier									
Attorney Docket Number:	5659-09600									
Art Unit:	3672									
Examiner:	George A Suchfield									
Search string:	( 6763886 or 6769485 or 6769483 or 6581684 or 6588504 or 6588503 or 6591906 or 6591907 or 6607033 or 6609570 or 6688387 or 20040108111 ).pn.									
<b>US Patent Documents</b>										
Note: Applicant is not required to submit a paper copy of cited US Patent Documents										
init	Cite.No.	Patent No.	Date	Patentee	Kind	Class	Subclass			
GG	1	6763886	2004-07-20	Schoeling et al.						
	2	6769485	2004-08-03	Vinegar et al.						
	3	6769483	2004-08-03	de Rouffignac et al.						
	4	6581684	2003-06-24	Wellington et al.						
	5	6588504	2003-07-08	Wellington et al.						
	6	6588503	2003-07-08	Karanikas et al.						
	7	6591906	2003-07-15	Wellington et al.						
	8	6591907	2003-07-15	Zhang et al.						
	9	6607033	2003-08-19	Wellington et al.						
	10	6609570	2003-08-26	Wellington et al.						
GG	11	6688387	2004-02-10	Wellington et al.						

## US Published Applications

Note: Applicant is not required to submit a paper copy of cited US Published Applications

init	Cite.No.	Pub. No.	Date	Applicant	Kind	Class	Subclass

09

1

20040108111

2004-06-10

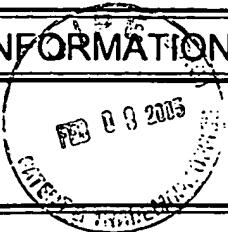
Vinegar et al.

## Signature

Examiner Name	Date
George Suchfield	5/4/05

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Stylesheet Version v18.0



Title of Invention	IN SITU THERMAL PROCESSING OF A COAL FORMATION USING PRESSURE AND/OR TEMPERATURE CONTROL
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Application Number: 09/841430 \*09/841430\*  
 Confirmation Number: 3855  
 First Named Applicant: George Stegemeier  
 Attorney Docket Number: 5659-09600  
 Art Unit: 3672  
 Examiner: George A Suchfield  
 Search string: ( 3004596 or 3342258 or 3455383 or 3501201 or 3502372 or 3759574  
 or 4160479 or 4375302 or 4483398 or 6698515 or 6702016 or 6708758  
 or 6712135 or 6712136 or 6712137 or 6715546 or 6715547 or 6715549  
 or 6715548 or 6719047 or 6722431 or 6722430 or 6722429 or 6725920  
 or 6725921 or 6725928 or 6729397 or 6729396 or 6729401 or 6729395  
 or 6732794 or 6732796 or 6736215 or 6739394 or 6739393 or 6742593  
 or 6742587 or 6742589 or 6742588 or 6745837 or 6745831 or 6749021  
 or 6752210 or 6758268 or 6761216 or 20040069486 or 20040015023  
 or 20030213594 or 20040040715 or 20040020642 ).pn.

## US Patent Documents

Note: Applicant is not required to submit a paper copy of cited US Patent Documents

init	Cite.No.	Patent No.	Date	Patentee	Kind	Class	Subclass
09	1	3004596	1961-10-17	Parker et al.			
1	2	3342258	1967-09-19	Prats			
	3	3455383	1969-07-15	Prats et al.			
	4	3501201	1970-03-17	Closmann et al.			
	5	3502372	1970-03-24	Prats			
	6	3759574	1973-09-18	Beard			
	7	4160479	1979-07-10	Richardson et al.			
	8	4375302	1983-03-01	Kalmar			
	9	4483398	1984-11-20	Peters et al.			
	10	6698515	2004-03-02	Karanikas et al.			
	11	6702016	2004-03-09	de Rouffignac et al.			
09	12	6708758	2004-03-23	de Rouffignac et al.			

13	6712135	2004-03-30	Wellington et al.
14	6712136	2004-03-30	de Rouffignac et al.
15	6712137	2004-03-30	Vinegar et al.
16	6715546	2004-04-06	Vinegar et al.
17	6715547	2004-04-06	Vinegar et al.
18	6715549	2004-04-06	Wellington et al.
19	6715548	2004-04-06	Wellington et al.
20	6719047	2004-04-13	Fowler et al.
21	6722431	2004-04-20	Karanikas et al.
22	6722430	2004-04-20	Vinegar et al.
23	6722429	2004-04-20	de Rouffignac et al.
24	6725920	2004-04-27	Zhang et al.
25	6725921	2004-04-27	de Rouffignac et al.
26	6725928	2004-04-27	Vinegar et al.
27	6729397	2004-05-04	Zhang et al.
28	6729396	2004-05-04	Vinegar et al.
29	6729401	2004-05-04	Vinegar et al.
30	6729395	2004-05-04	Shahin, Jr. et al.
31	6732794	2004-05-11	Wellington et al.
32	6732796	2004-05-11	Vinegar et al.
33	6736215	2004-05-18	Maher et al.
34	6739394	2004-05-25	Vinegar et al.
35	6739393	2004-05-25	Vinegar et al.
36	6742593	2004-06-01	Vinegar et al.
37	6742587	2004-06-01	Vinegar et al.
38	6742589	2004-06-01	Berchenko et al.
39	6742588	2004-06-01	Wellington et al.
40	6745837	2004-06-08	Wellington et al.
41	6745831	2004-06-08	de Rouffignac et al.
42	6749021	2004-06-15	Vinegar et al.
43	6752210	2004-06-22	de Rouffignac et al.
44	6758268	2004-07-06	Vinegar et al.
45	6761216	2004-07-13	Vinegar et al.

## US Published Applications

Note: Applicant is not required to submit a paper copy of cited US Published Applications

init	Cite.No.	Pub. No.	Date	Applicant	Kind	Class	Subclass
G	1	20040069486	2004-04-15	Vinegar et al.			
	2	20040015023	2004-01-22	Wellington et al.			
	3	20030213594	2003-11-20	Wellington et al.			
	4	20040040715	2004-03-04	Wellington et al.			
GG	5	20040020642	2004-02-05	Vinegar et al.			

Signature

Examiner Name	Date
George Suchfield	5/4/05

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Title of Invention	IN SITU THERMAL PROCESSING OF A COAL FORMATION USING PRESSURE AND/OR TEMPERATURE CONTROL						
Application Number:	09/841430 *09/841430*						
Confirmation Number:	3855						
First Named Applicant:	George Stegermeier						
Attorney Docket Number:	5659-09600						
Art Unit:	3672						
Examiner:	George A. Suchfield						
Search string:	( 5539853 or 3691291 or 3032102 or 3079085 or 3454365 or 4260018 or 4683947 or 5055180 or 5626191 or 6353706 or 6467543 or 6499536 or 4734115 or 3170842 or 3618663 or 4018280 or 4698149 or 3948755 or 4605489 or 4623444 or 4885080 or 5059303 or 6110358 or 6789625 or 6782947 or 20020004533 or 20020112987 ).pn.						
US Patent Documents							
Note: Applicant is not required to submit a paper copy of cited US Patent Documents							
init	Cite.No.	Patent No.	Date	Patentee	Kind	Class	Subclass
69	1	5539853	1996-07-23	Jamaluddin et al.			
	2	3691291	1972-09-12	Taj			
	3	3032102	1962-05-01	Parker			
	4	3079085	2004-09-28	Clark, Jr. et al.			
	5	3454365	1969-07-08	Lumpkin et al.			
	6	4260018	1981-04-07	Shum et al.			
	7	4683947	1987-08-04	Fernbacher et al.			
	8	5055180	1991-10-08	Klaila			
	9	5626191	1997-05-06	Greaves et al.			
	10	6353706	2002-03-05	Bridges			
	11	6467543	2002-10-22	Talwani et al.			
	12	6499536	2002-12-31	Ellingsen			
	13	4734115	1998-03-29	Howard et al.			
	14	3170842	1965-02-23	Kehler			
69	15	3618663	1971-11-09	Needham			

GS	16	4018280	1977-04-19	Daviduk et al.
	17	4698149	1987-10-06	Mitchell
	18	3948755	1976-04-06	McCollum et al.
	19	4605489	1986-08-12	Madgavkar
	20	4623444	1986-11-18	Che et al.
	21	4885080	1989-12-05	Brown et al.
	22	5059303	1991-10-22	Taylor et al.
	23	6110358	2000-08-29	Aldous et al.
	24	6789625	2004-09-14	de Rouffinac et al.
GS	25	6782947	2004-08-31	de Rouffinac et al.

## US Published Applications

Note: Applicant is not required to submit a paper copy of cited US Published Applications

init	Cite.No.	Pub. No.	Date	Applicant	Kind	Class	Subclass
GS	1	20020004533	2002-01-10	Wallace et al.			
GS	2	20020112987	2002-08-22	Hou et al.			

Signature

Examiner Name	Date
George Suchfield	5/4/05

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Title of Invention	IN SITU THERMAL PROCESSING OF A COAL FORMATION USING PRESSURE AND/OR TEMPERATURE CONTROL
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Application Number: 09/841430

\*09/841430\*

Confirmation Number: 3855

First Named Applicant: George Stegemeier

Attorney Docket Number: 5659-09600

Art Unit: 3672

Examiner: George A. Suchfield

Search string: ( 3017168 or 3434541 or 4598772 or 5456315 or 3288648 ).pn.

Certification: This Information Disclosure Statement was submitted under the following conditions, which satisfies the requirement under 37 CFR 1.97(e). The filer certified:

That no item of information contained in the information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the person signing the certification after making reasonable inquiry, no item of information contained in the information disclosure statement was known to any individual designated in 37 CFR 1.56(c) more than three months prior to the filing of the information disclosure statement.

## US Patent Documents

Note: Applicant is not required to submit a paper copy of cited US Patent Documents

init	Cite.No.	Patent No.	Date	Patentee	Kind	Class	Subclass
GS	1	3017168	1962-01-16	Carr			
1	2	3434541	1969-03-25	Cook et al.			
1	3	4598772	1986-07-08	Holmes			
1	4	5456315	1995-10-10	Kisman et al.			
BJ	5	3288648	1966-11-29	Jones			

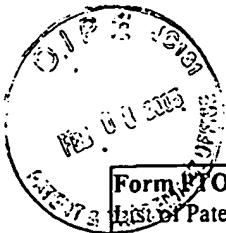
## Remarks

Note: Remarks are not for responding to an office action.

Other art will be submitted on a Form PTO-1449

Signature

Examiner Name	Date
George Suchfield	5/4/05



Form PTO-1449 (modified)  
List of Patents and Publications  
For Applicant's Information  
Disclosure Statement

ATTY. DKT. NO. 5659-09600

SERIAL NO. 09/841,430

APPLICANT: Stegemeier et al.

CONFIRMATION NO.: 3855

FILING DATE: April 24, 2001

GROUP: 3672

**U.S. PATENT DOCUMENTS**

EXAM. INITIALS	REF. DES.	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROPRIATE
	PI	4415034	11/15/1983	Bouck			

**OTHER ART (including Author, Title, Date, Pertinent Pages, etc.)**

EXAM. INITIALS	REF. DES.	Article
	OA-20	U.S. Patent and Trademark Office, "Office Communication" for Application No. 09/841,302 mailed October 21, 2004 (6 pages).

EXAMINER:

George Suchfield

DATE CONSIDERED:

5/4/05

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the patent owner.



Form PTO-1449 (modified) List of Patents and Publications For Applicant's Information Disclosure Statement (Use several sheets if necessary)	ATTY. DOCKET NO: 5659-09600  APPLICANT: Stegemeier et al.  FILING DATE: April 24, 2001	SERIAL NO: 09/841,430  CONFIRMATION NO. 3855  ART UNIT: 3672
<b>OTHER ART</b>		
EXAM. INITIALS	CITE. NO.	OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)
GS	SR02	PCT, "Search Report" for International Application No. PCT/US02/13121 mailed December 2004; 7 pages.
GS	WO01	PCT, "Written Opinion" for International Application No. PCT/US02/13121 mailed February 24, 2005; 6 pages.

EXAMINER: George Suchfield DATE CONSIDERED: 5/4/05

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609;  
Draw line through citation if not in conformance and not considered. Include copy of this form with next  
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# ELECTRONIC INFORMATION DISCLOSURE STATEMENT

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Application Number :	09/841430							
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First Named Applicant:	George Stegemeier							
Attorney Docket Number:	5659-09600							
Art Unit:	3672							
Examiner:	George A. Suchfield							
Search string:			( 4319635 or 5027896 or 5325918 or 4418752 or 5891829 or 4151877 or 4243511 or 4439307 or 4544478 or 5041210 or 4285547 or 4234230 or 3700280 or 3804169 or 3759328 or 3804172 or 4065183 or 3779602 or 4260192 or 4883582 or 6820688 or 6805195 or 3386508 or 4303126 or 4766958 or 4828031 or 5085276 or 5305829 or 5377756 or 5411086 or 6866097 or 20030029617 ).pn					
<b>US Patent Documents</b>								
<b>Note: Applicant is not required to submit a paper copy of cited US Patent Documents</b>								
init	Cite.No.	Patent No.	Date	Patentee	Kind	Class	Subclass	
GS	1	4319635	1982-03-16	Jones				
	2	5027896	1991-07-02	Anderson				
	3	5325918	1994-07-05	Berryman et al.				
	4	4418752	1983-12-06	Boyer et al.				
	5	5891829	1999-04-06	Vallejos et al.				
	6	4151877	1979-05-01	French				
	7	4243511	1981-01-06	Allred				
	8	4439307	1984-03-27	Jaquay et al.				
	9	4544478	1985-10-01	Kelley				
	10	5041210	1991-08-20	Merrill, Jr. et al.				
	11	4285547	1981-08-25	Weichman				
	12	4234230	1980-11-18	Weichman				
	13	3700280	1972-10-24	Papadopoulos et al.				
	14	3804169	1974-04-16	Closmann				
	15	3759328	1973-09-18	Ueber et al.				
	16	3804172	1974-04-16	Closmann et al.				
	17	4065183	1977-12-27	Hill et al.				
	18	3779602	1973-12-18	Beard et al.				
GS	19	4260192	1981-04-07	Shafer				

69	20	4883582	1989-11-28	McCants			
	21	6820688	2004-11-23	Vinegar et al.			
	22	6805195	2004-10-19	Vinegar et al.			
	23	3386508	1968-06-04	Bielstein et al.			
	24	4303126	1981-12-01	Blevins			
	25	4766958	1988-08-30	Faecke			
	26	4828031	1989-05-09	Davis			
	27	5085276	1992-02-04	Rivas et al.			
	28	5305829	1994-04-26	Kumar			
	29	5377756	1995-01-03	Northrop et al.			
	30	5411086	1995-05-02	Burcham et al.			
69	31	6866097	2005-03-15	Vinegar et al.			

## US Published Applications

Note: Applicant is not required to submit a paper copy of cited US Published Applications

init	Cite.No.	Pub. No.	Date	Applicant	Kind	Class	Subclass
69	1	20030029617	2003-02-13	Brown et al.			

## Remarks

Note: Remarks are not for responding to an office action.

Resubmission of U.S. patent references listed on the form PTO-1449 filed 3/3/05 per Examiner's Suchfield's request.

## Signature

Examiner Name	Date
George Suchfield	5/4/05



Form PTO-1449 (modified)  
List of Patents and Publications  
For Applicant's Information  
Disclosure Statement  
(Use several sheets if necessary)

ATTY. DOCKET NO.: 5659-09600

SERIAL NO.: 09/841,430

APPLICANT: Stegemeier et al.

CONFIRMATION NO.: 3855

FILING DATE: April 24, 2001

ART UNIT: 3672

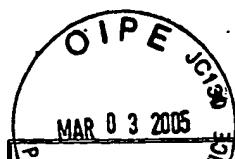
### U.S. PATENT DOCUMENTS

EXAM. INITIALS	REF. DES	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APP.
	U115	6820688	11/23/2004	Vinegar et al.			
	U116	6805195	10/19/2004	Vinegar et al.			
	U117	3386508	6/4/1968	Bielstein et al.			
	U118	4303126	12/1/1981	Blevins			
	U119	4766958	8/30/1988	Faecke			
	U120	4828031	5/9/1989	Davis			
	U121	5085276	2/4/1992	Rivas et al.			
	U122	5305829	4/26/1994	Kumar			
	U123	5377756	1/3/1995	Northrop et al.			
	U124	5411086	5/2/1995	Burcham et al.			
	U125	4319635	3/16/1982	Jones			
	U126	5027896	7/2/1991	Anderson			
	U127	5325918	7/5/1994	Berryman et al.			
	U128	4418752	12/6/1983	Boyer et al.			
	U130	5891829	4/6/1999	Vallejos et al.			
	U131	4151877	5/1/1979	French			
	U132	4243511	1/6/1981	Allred			
	U133	4439307	3/27/1984	Jaquay et al.			
	U134	4544478	10/1/1985	Kelley			
	U135	5041210	8/20/1991	Merrill, Jr. et al.			
	U136	4285547	8/25/1981	Weichman			
	U137	4234230	11/18/1980	Weichman			

EXAMINER: George Suchfield

DATE CONSIDERED: 5/4/05

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609;  
Draw line through citation if not in conformance and not considered. Include copy of this form with  
next communication to the patent owner.



Form PTO-1449 (modified) List of Patents and Publications For Applicant's Information Disclosure Statement (Use several sheets if necessary)	ATTY. DOCKET NO.: 5659-09600	SERIAL NO.: 09/841,430
	APPLICANT: Stegemeier et al.	CONFIRMATION NO.: 3855
	FILING DATE: April 24, 2001	ART UNIT: 3672

### U.S. PATENT DOCUMENTS

EXAM. INITIALS	REF. DES	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APP.
	U138	3700280	10/24/1972	Papadopoulos et al.			
	U139	3759328	9/18/1973	Ueber et al.			
	U140	3804169	4/16/1974	Closmann			
	U141	3804172	4/16/1974	Closmann et al.			
	U142	4065183	12/27/1977	Hill et al.			
	U143	3779602	12/18/1973	Beard et al.			
	U144	4260192	4/7/1981	Shafer			
	U145	4883582	11/28/1989	McCants			
	U146	20030029617	2/13/2003	Brown et al.			

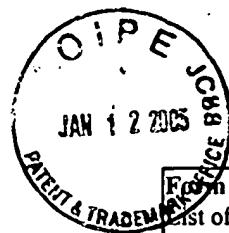
### OTHER ART

Exam Initials	REF. DES	Article (Including Author, Title, Date, Pertinent Pages, Etc.)
GS	SR01	PCT "International Search Report" for International Application No. PCT/US 02/34264 mailed on December 2, 2004; 7 pages.

EXAMINER: George Suchfield

DATE CONSIDERED: 5/4/05

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SERIAL NO. 09/841,430

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CONFIRMATION NO.: 3855

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**U.S. PATENT DOCUMENTS**

EXAM. INITIALS	REF. DES.	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROPRIATE
GS	P1	4415034	11/15/1983	Bouck			

**OTHER ART (including Author, Title, Date, Pertinent Pages, etc.)**

EXAM. INITIALS	REF. DES.	Article
GS	OA-20	U.S. Patent and Trademark Office, "Office Communication" for Application No. 09/841,302 mailed October 21, 2004 (6 pages).

EXAMINER:

George Suchfield

DATE CONSIDERED:

8/4/05

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the patent owner.



## UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE  
 United States Patent and Trademark Office  
 Address: COMMISSIONER FOR PATENTS  
 P.O. Box 1450  
 Alexandria, Virginia 22313-1450  
 www.uspto.gov

## \*BIBDATASHEET\*

CONFIRMATION NO. 3855

Bib Data Sheet

SERIAL NUMBER 09/841,430	FILING DATE 04/24/2001 RULE	CLASS 166	GROUP ART UNIT 3672	ATTORNEY DOCKET NO. 5659-09600/EBM
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## APPLICANTS

Scott Lee Wellington, Bellaire, TX;  
 Eric Pierre de Rouffignac, Houston, TX;  
 Ilya Emil Berchenko, Friendswood, TX; Etuan Zhang, Houston, TX;  
 Thomas David Fowler, Katy, TX;  
 George Leo Stegemeier, Houston, TX;  
 Harold J. Vinegar, Houston, TX;  
 Robert Charles Ryan, Houston, TX;

## \*\* CONTINUING DATA \*\*\*\*\*

This appln claims benefit of 60/199,213 04/24/2000  
 and claims benefit of 60/199,214 04/24/2000  
 and claims benefit of 60/199,215 04/24/2000

## \*\* FOREIGN APPLICATIONS \*\*\*\*\*

## IF REQUIRED, FOREIGN FILING LICENSE GRANTED

\*\* 06/21/2001

Foreign Priority claimed	<input type="checkbox"/> yes <input checked="" type="checkbox"/> no	STATE OR COUNTRY	SHEETS	TOTAL	INDEPENDENT
35 USC 119 (a-d) conditions met	<input type="checkbox"/> yes <input checked="" type="checkbox"/> no <input type="checkbox"/> Met after allowance	TX	104	165	8
Verified and Acknowledged	<i>George L. Stegemeier</i> Examiner's Signature	Initials			

## ADDRESS

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 SHELL OIL COMPANY  
 P.O. BOX 2463  
 HOUSTON , TX  
 77252-2463

## TITLE

IN SITU THERMAL PROCESSING OF A COAL FORMATION USING PRESSURE AND/OR TEMPERATURE CONTROL

FILING FEE RECEIVED 3868	FEES: Authority has been given in Paper No. _____ to charge/credit DEPOSIT ACCOUNT No. _____ for following:	<input type="checkbox"/> All Fees
		<input type="checkbox"/> 1.16 Fees ( Filing )
		<input type="checkbox"/> 1.17 Fees ( Processing Ext. of time )
		<input type="checkbox"/> 1.18 Fees ( Issue )
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